

19991112.ba v02_n727.bam.991112

>From ???@??? Sat Nov 13 10:44:49 1999
Message-Id: <199911121853.dACIrGj25797@sco.theporch.com>
Date: Fri, 12 Nov 1999 12:52:34 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2727

BOATANCHORS Digest 2727

Topics covered in this issue include:

- 1) WANTED &FS
by John jack M Iverson <jackiv@juno.com>
- 2) RE: General Radio CAG-60006 sig gen questions
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 3) GRC 19 install in M38A1 info needed
by Paul Thekan <Paul.Thekan@eimac.cpii.com>
- 4) honored WWII broadcaster dies
by Ian Abbott <ian@gene.com>
- 5) Good Stuff available FS
by "Larry Kayser" <kayser@king.igs.net>
- 6) Experts on National HRO?
by Andre Guibert <aguibert@sympatico.ca>
- 7) WTB: Navigator
by Joe Eide <jeide@execpc.com>
- 8) SX-111 Schematic Error?
by "Jim Reynolds" <ki6up@earthlink.net>
- 9) OE-13 Navy Radio Test Set
by Edward Zeranski <ezeran@concentric.net>
- 10) ANCIENT FAX
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 11) Re: SX-111 Schematic Error?
by Arden Allen <gumbear@pacbell.net>
- 12) Re: ANCIENT FAX
by "Roberta J. Barmore" <rbarmore@indy.net>
- 13) Re: ANCIENT FAX
by "Mike Feher" <n4fs@monmouth.com>
- 14) Shack Drippings #3.1
by "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
- 15) headfonium solution
by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
- 16) RE: UTC Xfmr help
by Maurice Weinschenker <morry@ix.netcom.com>
- 17) MD-209/UC Modulator
by Stanley A McIntosh <mcintos@basf-corp.com>
- 18) Re: UTC Xfmr help

by John jack M Iverson <jackiv@juno.com>
19) UTC CG-305 Plate Transformer
by "Richard Brunner" <rbrunner@gis.net>
20) lets talk blowers
by w5sum@nwla.com
21) Re: lets talk blowers
by Al Parker <anchor@coastalnet.com>
22) UX6 valve bottom wanted
by BEN NOCK <G4BXD@compuserve.com>
23) Bits FS
by BEN NOCK <G4BXD@compuserve.com>
24) Re: ANCIENT FAX
by Jerry Proc <jproc@idirect.com>

To: Old Tube Radios <boatanchors@theporch.com>
Cc: hallicrafters@qth.net
Date: Thu, 11 Nov 1999 15:49:31 -0600
Subject: WANTED &FS
Message-ID: <19991111.160433.-132835.0.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
From: John jack M Iverson <jackiv@juno.com>

Need a ps for the H-C SR-150. Physical codx not important, will be a
"bench" supply.
FS a ham station console thing. Rx, exciter. control panel, final (2x
304TLs)
power supply components , plate tx choke caps. etc. also a large mod tx,
Thordarson
and modulation choke. (high power) +60db range.
can furnish pix via mail. no ship, in the chicago area, NW suburb.
can call (847) 359-0941. jack
Jack Iverson K0EWU jackiv@juno.com
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA,CCA

Date: Thu, 11 Nov 1999 17:23:44 -0500
From: "ROBERT W. DOWNS" <RWDowns_WA5CAB@compuserve.com>
Subject: RE: General Radio CAG-60006 sig gen questions
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199911111723_MC2-8CC0-1A88@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Rich,

I have a CAG-20080-A power supply marked for =
LP-5. Database says it is in excellent physical =
condition although not having the sig gen it went =
to, I've never lit it off. For once, I know where it is, =
as I saw it yesterday lurking behind a CV-60.

Don't remember what the power connector was. =

It's possible that I might have the cable plugs =
and maybe a chassis one to put back on the sig gen.

73,
Robert Downs
WA5CAB
Houston

Message-Id: <4.2.0.58.19991111143434.00b292c0@eimac.cpii.com>
Date: Thu, 11 Nov 1999 14:35:15 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Paul Thekan <Paul.Thekan@eimac.cpii.com>
Subject: GRC 19 install in M38A1 info needed
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello to the group

I would like to find the installation TM , if one exists , for
installing the GRC 19 radio set which consists of the T-195 xmtr & R-392
rcvr combo in a M38A1. Any help is appreciated.

Thankyou
Paul
N6FEG

Message-ID: <382B44F9.53E0A609@gene.com>
Date: Thu, 11 Nov 1999 14:36:41 -0800
From: Ian Abbott <ian@gene.com>
MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>
Subject: honored WWII broadcaster dies
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello-

The following are excerpts from an obituary that ran in the Los Angeles Times earlier this week. I confess that I did not know of William Winter and his role in WWII broadcasting, but it appears that he was a very important voice in those dark days. I hope that many of you find this interesting.

(begin)

William Winter; Foreign Relations Commentator

By MYRNA OLIVER, Times Staff Writer

William Winter, veteran radio and television commentator and the first "Voice of America" who became an expert on international affairs, has died at the age of 92.

After decades as a war correspondent and network news analyst, Winter channeled his experience into becoming a sought-after speaker on international affairs at campuses and conferences around the world and an instructor in UCLA extension courses. In later years, he also organized the William Winter Study Tours, leading various groups to far-flung venues from Africa and the Soviet Union to India and the Philippines, where he was revered.

In 1956, Winter became the only American to receive the Philippines' designation as Commander of the Legion of Honor for his work during World War II. A special military parade was staged in Manila and then-Filipino President Raymon Magsaysay said: "The voice of William Winter is part of our history. Without his daily reassurance, which we heard on our secret radios, Philippine resistance would not have been possible. It was William Winter who kept alive our faith, our hope, our confidence in America, our belief in democracy." Magsaysay had been a guerrilla leader in the Philippines when Winter was broadcasting daily from Gen. Douglas MacArthur's Leyte headquarters and other Pacific islands.

Winter arrived at the curious duty by an unusual career path. Born in Newark, N.J., he grew up in North Carolina and studied law privately while working in a law office. Four months before he turned 21, he passed the state bar exam and became the youngest attorney in the United States at the time.

After working as a trial lawyer for an insurance company in New York, Winter returned to North Carolina, where one of his clients was a radio network. Because of his grasp of international law and current events, he was asked to become a radio news analyst, and by 1935 he had abandoned law for the air waves.

In 1941, CBS Radio relocated Winter to San Francisco, where he offered a daily network news analysis, focusing on America's international relations. After the director of the Malaya Broadcasting Corp. of Singapore asked to relay Winter's commentaries throughout Asia via shortwave, the United States decided in September--only months before the bombing of Pearl Harbor brought the United States into World War II--to make Winter its first State Department-sponsored "Voice of America."

In daily broadcasts, Winter reassured Asians that the United States, although not in the war, was (despite Japanese broadcasts to the contrary) concerned about protecting Asians. He also offered even-handed comments with quotations from American interventionists and isolationists alike.

During the final two years of the war, when Winter accompanied MacArthur, the broadcaster became so reviled by Japan's Radio Tokyo that it aired a play featuring three men barred from heaven because of their wickedness--Franklin D. Roosevelt, Winston Churchill and Winter.

The former lawyer covered the United Nations Charter Conference in San Francisco in 1945 for the State Department and later the Korean War for the United Nations. In 1955 he was named television news analyst for ABC.

In addition to the Philippines, several other governments, including Australia honored Winter for his wartime broadcasts.

(end)

I'll sign off today with heartfelt thanks to all of America's veterans.

Ian Abbott

~~~~~  
Ian E. Abbott | email: ian@gene.com

-----  
Message-ID: <004201bf2c99\$c365f280\$0a00a8c0@server1.ThreeLakes.ca>  
From: "Larry Kayser" <kayser@king.igs.net>  
To: Old Tube Radios <boatanchors@theporch.com>

Subject: Good Stuff available FS  
Date: Thu, 11 Nov 1999 18:09:05 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Greetings All:

I have been by Fords in Smiths Falls several times recently and I saw a really nice R390A (original meters that glow in the dark) and some AR88's, one with the original internal S meter. I saw a couple of NC240D's and some of the 60's Hammarlunds and things. Good idea to check with them if your into receivers. They also had some nice modern RX's as well. As usual I have nothing to do with them, don't own any of the company or anything else, just would like to see some of that nice stuff find a good home.

Larry  
VA3LK

-----  
Message-Id: <1.5.4.16.19991111220937.1097e378@pop1.sympatico.ca>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Andre Guibert <aguibert@sympatico.ca>  
Subject: Experts on National HRO?  
Date: Thu, 11 Nov 1999 21:15:15 -0500

Bonsoir to All

> Picked up a very near mint condition RBJ receiver, rack  
> mount, plus its power supply plus its coil system  
> container, also rack mount, nearly all tubes are "US NAVY"  
> except for the 6V6.  
> The instruction manual contract date matches the nameplate,  
> August 20, 1941, contractor is GE and the subcontractor is  
> National Co Inc.  
> Contract LL-N0s-90813  
> The 7 coils frequencies that I have out of nine are of the  
> same serial no's as the set, plus one for the 20m band.  
> How come my receiver has an S meter and there are no ref.  
> in the manual, plus a switch in the front and a pot  
> in the back.  
> Was it a later add on by the US Navy?  
> Andre  
>  
>

>

Andre Guibert  
aguibert@sympatico.ca

-----  
Date: Thu, 11 Nov 1999 21:38:21 -0600  
From: Joe Eide <jeide@execpc.com>  
Subject: WTB: Navigator  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <382B8BAD.A6469C9D@execpc.com>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hello,

Anyone have a pretty Viking Navigator for sale? (or trade)

Thanks for reading this,

Joe Eide - KB9R  
Eau Claire, WI

-----  
From: "Jim Reynolds" <ki6up@earthlink.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: SX-111 Schematic Error?  
Date: Thu, 11 Nov 1999 22:07:46 -0600  
Message-ID: <001701bf2cc3\$79cebce0\$664afc9e@ripcord>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

OK - I know I am not the smartest guy on Earth, but man...

I have this cosmetically mint SX-111 that has a electrical problem or three... and I was looking at the schematic Drawing and what I see blows my mind. It shows a product detector tube - V11 - a 6BY6.

Well, it isn't in my radio. I do not have that tube. Where it is suppose to be is a multi sectional CAP can. I have no idea how the Hallicrafters Manual could list that tube and it not be in the radio - anywhere...

Has anyone ever seen this before or did this Receiver come form out in space?

KI6UP

Jim

-----  
Message-Id: <3.0.1.32.19991111202133.00981670@pop3.concentric.net>  
Date: Thu, 11 Nov 1999 20:21:33 -0800  
To: Old Tube Radios <boatanchors@theporch.com>  
From: Edward Zeranski <ezeran@concentric.net>  
Subject: OE-13 Navy Radio Test Set  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

At 10:23 AM 11/11/99 -0500, Ray Vasek wrote:  
>Very interesting test set, WW-II Navy issue, in beautiful wood case.  
>73, Ray W2EC

The mentioned set is called out in Radioman 1&C, 1940, for the RAK/RAL radios etc. The VOM and condenser meters are by Weston. They are in an oak box with test leads, tube adapters, etc and are from the era of 'Radio Analyzers' as test equipment. Mine cost between \$20 and \$75. in complete and fine condition. Last look in 'Grand Junquetion' in VA Beach had several sets for approx \$50.(Back to the right near the motor stuff) If nobody left the batteries in they are neat back ups for early-late WWII Navy radios.

Ed Zeranski This is a private opinion or statement.  
home email: ezeran@cris.com , ICQ # 3255293

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MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit  
Date: Thu, 11 Nov 1999 23:29:35 -0500 (EST)  
Subject: ANCIENT FAX  
To: Old Tube Radios <boatanchors@theporch.com>  
From: JOHN\_SEHRING.parti@ecunet.org (JOHN SEHRING)  
Message-ID: <9911112329.aa23855@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Found an ad for a Finch fax unit in a 1947 magazine. Unit showed controls for receiver gain, contrast & density so some fiddling appears to have been necessary.

Boasted of doing 900 sq. inches per hour over phone lines.

If I did the math right, that's about 6 mins per 8.5x11" page, very slow by today's standards.



Over "radio", sez 2760 sq. inches per hour. That implies triple the bandpass. I wonder exactly what kind of radio circuit that would be?

Phone lines did 300-2700 Hz, so radio link would have to do about to 9000 Hz. i believe I read in late 30s, using a variety of FM for FAX on HF. But knowing NBFMs considerably greater susceptability to effects of multi-path distortion, I don't know for sure...

-John Sehring (Thu, Nov 11, 1999 Custer SD USA) UCC WB0EQ

-----  
Date: Thu, 11 Nov 1999 21:22:16 -0800  
From: Arden Allen <gumbear@pacbell.net>  
Subject: Re: SX-111 Schematic Error?  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-id: <0FL2001MUK9C7Q@mta3.snfc21.pbi.net>  
MIME-version: 1.0  
Content-type: text/plain; charset=ISO-8859-1  
Content-transfer-encoding: 7bit

Hi Jim;

> I have this cosmetically mint SX-111 that has a electrical problem or  
> three... and I was looking at the schematic Drawing and what I see blows  
my  
> mind. It shows a product detector tube - V11 - a 6BY6.

My '61 ARRL handbook Halicrafters catalog page shows the SX-111 as having two 6BY6's, the first converter and the product detector, fourteen tubes in all. The 6BY6 is a variant of the 6BE6 pentagrid tube that was developed for television sync detection/stripping as a gated amplifier. Hallicrafters probably employed this tube because of improved performance over the 6BE6 or they got a real deal on 11 jillion of them seeings how TV tube production was reaching ferocious proportions.

I downloaded the SX-111 manual from the <bama.sbc.edu> ftp site and whadaya know, there is an earlier version with only one 6BY6. The earlier '111 used BFO/diode detection to receive sideband. Now you have an upgrade to product detector project for the winter!!!! Better hot up the solder iron and dig out the chassis punch. Enjoy.....

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

-----  
Date: Fri, 12 Nov 1999 07:42:05 -0500 (EST)  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
To: Old Tube Radios <boatanchors@theporch.com>

cc: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ANCIENT FAX  
Message-ID: <Pine.SUN.4.10.9911120719080.24557-100000@indy3>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, John!

Fast fax via radio in a 1947-ish timeframe? You bet! But not HF--VHF.

This was a kind of a blue-sky notion in the postwar era and a few broadcast stations had applied for (and, I believe, been granted) licenses for \*fax\* \*broadcasting!\* And why not? For a station that had money, it was a golden age, time to put television and FM on the air, and while you're doing all that, what's one more? --If you had the money. Many of the stations that \*did\* have the money also had stuff to fax, as a lot of the big stations were owned by newspapers.

But it never quite happened. Fax receivers were expensive, took a lot more fiddling with than a radio or even a TV set, and The Average Family needed a fax machine spewing out ads, news factoids and whatever all day long (or even part of the day) a \*whole\* lot less than they needed a TV set. Or a new washer. Or--if they were really flush--a new car.

And all of those things were a lot less fussy than a fax machine! :) (There's another point, too--if you're running a newspaper, do you \*want\* to just be faxing the news out for free?)

...One of my older RCA Broadcast magazines has a neat article with photos showing construction of a station's new FM transmitting facilities, a huge two-story building designed for future expansion. Out front a big, optimistic sign proclaims, "Future Home of WXXX FM FAX TV."

That false dawn of fax could be thought of as the AM stereo of its day. Or perhaps the ancestor of telefax via some of the "leftover" space in TV signals, which did pretty well in some parts of the world for awhile but never caught on in the US. Then again, facsimile transmission has been awfully good at false dawns: the oldest patents are said to date from 1843 and the first commercial fax line (between Paris and Lyons) operated from 1865 to 1870!

73,  
--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore  
FISTS #3388 \* G-QRP #10001 \* ARRL \* RSGB \* WIA  
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

-----  
Message-ID: <007001bf2d0f\$7344a0a0\$4b3cbfd1@MikeBFeher>  
From: "Mike Feher" <n4fs@monmouth.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: Re: ANCIENT FAX  
Date: Fri, 12 Nov 1999 08:11:34 -0500  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I actually own one of these Finch fax machines. Mine was purchased in Jan of 1940 and is made by Crosley. It is a 119 Reado. Interesting piece, but I have yet to find time to play with it. I have all the original documentation as well as a recording from the WOR studios. I also have sample copy of the printouts and 2 unused rolls of special fax paper. Some of the documentation I have on the system dates back to early 1938. By the way. in Jan of 1940 this machine as a kit sold for \$32.47 and an extra roll of paper was \$0.50. As early as 1938 WOR, on 710 Kc was conducting nightly facsimile tests. Crosley stated in an 1939 manual that pictures in the AM band were limited to transmissions between 12 PM and 6 AM and in the FM band between 25 and 47 Mc during the daylight hours. The system was known as the Crosley-Finch system. If anyone is seriously interested in pursuing this I can provide copies of some of the documentation that I have. If someone else has a machine I might be able to copy the record onto a cassette. 73 - Mike

Mike B. Feher, N4FS  
89 Arnold, Blvd.  
Howell, NJ, 07731  
732-901-9193

> Found an ad for a Finch fax unit in a 1947 magazine.

-----  
Date: Fri, 12 Nov 1999 08:30:14 -0500  
From: "ROBERT W. DOWNS" <RWDowns\_WA5CAB@compuserve.com>  
Subject: Shack Drippings #3.1  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199911120830\_MC2-8CD0-3246@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
        charset=ISO-8859-1  
Content-Disposition: inline

Groups,

Also found but forgot to unload from the =

Land Rover some boxes of "HI. ALTITUDE =

SWITCH TYPE 9M1". Don't know what they  
were used with. Some of them have a Navy  
anchor stamp. =

And a Radio Control Box BC-206. This was =

used with the SCR-209 and as it is the only =

piece that I have to that Radio Set, I thought =

I'd see whether someone else has more =

pieces. I could go either way on this one =

(buy the other pieces or sell it). If the latter, =

price is \$45 plus shipping.

73,  
Robert Downs  
WA5CAB  
Houston

-----  
Date: Fri, 12 Nov 1999 09:13:56 -0500  
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)  
Message-Id: <199911121413.JAA01890@aa4rm.ba-watch.org.>  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: jhowell@mcyber.com  
Subject: headfonium solution

Thanks to a SARS member I contacted a surplus dealer & found I had just  
the earphone look-up reference. TM-11-486 / Comm. Accy.s

Those earphones are p/o HS-17. HS-17 includes the chest-mic many of us  
have seen.

I've sure seen a bunch of the chest mic.s but never the earphones...  
And think I do have a chest mic.

My guess about them going under a atilleryman's doughboy helmet was right.

Next time I go to the tilting shore-battery bunkers at Cape May or

Lewes\*, I'll carry the set & some 7x50 binoc.s.

Now if someone can just get me tiny decals of any old battleship for the binocs I'd be grateful.

Anyone else ever consider coastal artillery reenactments for play-soldiering?

Perhaps this is a good question for Artillery Clinton.

\* there's a legend that the nine 11" guns at Lewes were never fired 'til de-commission day in early '46. Then all the lanyards were pulled at once & windows broke 17 mi.s up the Delaware in Wilmington.

wonder if any VT65s were damaged?

-----  
Message-ID: <382C2266.6C243C4C@ix.netcom.com>  
Date: Fri, 12 Nov 1999 09:21:26 -0500  
From: Maurice Weinschenker <morry@ix.netcom.com>  
MIME-Version: 1.0  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: RE: UTC Xfmr help  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I'm in the process of building a linear. Just came into wat I believe is the ideal plate xfmr. (But of course a problem). This is a UTC CG-305 or maybe OG-305. Vry difficult to read. Secondary is clearly marked wid 2 windings , 3500 volt CT es 4500 volt CT. Problem is the primary, their are 6 terminals marked 1 through 6. The way I got it 1 is strapped to 2 es 5 is strapped to 6 wid 3 es 4 not being used. Is this a 110-220 xfmr (hopefully) es if so how do I identify wat goes where???????????????? I certainly want to use 220 Volts. The xfmr appears to be 40's vintage es sure looks nice. I wud gess abt 500 ma.. Any help wud be appreciated. Mny Tnx in advance es Best 73 Morry K3DPJ

-----  
From: Stanley A Mcintosh <mcintos@basf-corp.com>  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <85256827.005070FC.00@basf-corp-gw01.basf-corp.com>  
Date: Fri, 12 Nov 1999 09:43:14 -0500  
Subject: MD-209/UC Modulator  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Anyone know any details regarding this unit? One followed me home yesterday. Based on the tubes I saw in the case, it doesn't look like a medium-high power modulator. On the other hand, the power supply portion of the box has some heft.

Thanks,  
stan  
kd4bth

-----  
To: Old Tube Radios <boatanchors@theporch.com>  
Cc: boatanchors@theporch.com  
Date: Fri, 12 Nov 1999 10:20:33 -0600  
Subject: Re: UTC Xfmr help  
Message-ID: <19991112.103131.-371399.4.jackiv@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain  
Content-Transfer-Encoding: 7bit  
From: John jack M Iverson <jackiv@juno.com>

as to the six leads on the primary- i believe that what is seen is a tap on each 115 side of the primary. so various voltages may be accomodated. one tap when in paralell and several in series. I am sorry but my "commercial grade" UTC catalogue was lent to copy and has not been retuned --- damn!!

Jack Iverson K0EWU jackiv@juno.com  
ARRL, IEEE LM, RCA, AMI, ARCI, QCWA,CCA

-----  
Message-Id: <199911121637.LAA11087@mx02.gis.net>  
From: "Richard Brunner" <rbrunner@gis.net>  
To: Old Tube Radios <boatanchors@theporch.com>  
Subject: UTC CG-305 Plate Transformer  
Date: Fri, 12 Nov 1999 11:11:26 -0500  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Morry - per the UTC Catalog; the CG-305 is rated:  
2400-1750-0-1750-2400 volts at 300 Ma. (Continuous Commercial Service)  
Primary 105,115,220,230 Volts.

It looks like two primary windings, each 115 Volt with a 105 Volt tap. You can sort out the tap with an Ohmmeter - there will be more resistance between 0 to 105 than between 105 and 115. The primary windings should be paralleled for 105 or 115 volt operation.

Note that the 300 Ma CCS rating can be increased significantly for ICAS (Intermittent Commercial-Amateur Service) The limitation is acceptable voltage drop, and heating. I think 400 Ma will be OK.

For reference, the CG-306 has the same voltage ratings, and 500 Ma load rating. (CCS)

The CG-305 weighs 50 lb. and the CG-306 weighs 100 lb.

GL

Richard Brunner, AA1P, rbrunner@gis.net

-----  
Message-Id: <199911121646.KAA29401@ms1.nwla.com>

From: w5sum@nwla.com

To: Old Tube Radios <boatanchors@theporch.com>

Date: Fri, 12 Nov 1999 10:40:48 -0600

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Subject: lets talk blowers

howdy Y'all

I'm still gathering parts for the upcoming 4-1000 project. Most construction articles I've seen call for one of those big, noisy, squirrel cage style blowers. Since specs only call for 25 CFM for this tube, why not use a 4" muffin style fan? Much quieter!! Would this be a suitable fan for this project?

thanks in advance

Ronnie

-----  
Message-Id: <3.0.6.32.19991112133215.008cfb30@mail2.coastalnet.com>

Date: Fri, 12 Nov 1999 13:32:15 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Al Parker <anchor@coastalnet.com>

Subject: Re: lets talk blowers

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

>I'm still gathering parts for the upcoming 4-1000 project.

Since specs only call for 25 CFM for

>this tube, why not use a 4" muffin style fan? Much quieter!! Would

>this be a suitable fan for this project?

>

No, no, 1000 times, no.

Muffin fan won't develop the pressure needed to flow the 25cpm thru the

chassis/socket/chimney, etc. If you don't want to take the recommendation, be prepared to take pressure/flow measurements on whatever you want to try, or take the consequences.

Varian published a nice book on "Care & Feeding of Power Grid Tubes" some yrs ago, it's great.

I think there was a long thread on this abt a yr ago.

73,

Al, W8UT

New Bern, NC

BoatAnchors appreciated here

anchor@coastalnet.com

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Date: Fri, 12 Nov 1999 13:36:53 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: UX6 valve bottom wanted  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199911121336\_MC2-8CDB-1EF4@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline

I need a UX6 base off a valve, ie the bit with the pins on, =

NOT the valve holder socket. =

If anyone has a duff valve with a UX6 base then please give me a shout. =

cheers, Ben G4BXD.

-----  
Date: Fri, 12 Nov 1999 13:36:49 -0500  
From: BEN NOCK <G4BXD@compuserve.com>  
Subject: Bits FS  
To: Old Tube Radios <boatanchors@theporch.com>  
Message-ID: <199911121336\_MC2-8CDB-1EEE@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain;  
charset=ISO-8859-1  
Content-Disposition: inline



|                                                                     |       |
|---------------------------------------------------------------------|-------|
| A14 manpack radio ATU.....                                          | 25.00 |
| Asahi ME-IIB twin meter SWR.....                                    | 7.00  |
| Miniature Voltmeter, upto 260v ac,<br>used with Mk 123 Spy set..... | 20.00 |
| Canvas case for Mk 123 set.....                                     | 18.00 |
| ac plug adaptor kit for Mk 123.....                                 | 10.00 |
| Pair of Brown Ceramic egg insulators.....                           | 5.00  |
| ICA No 23 Headphones.....                                           | 10.00 |
| TRIMM headphones, P40 plug fitted.....                              | 10.00 |
| T1154 J Switch, fair condition.....                                 | 25.00 |

prices in Sterling, all plus postage if needed.

Ben G4BXD.

-----  
 Message-ID: <382C6122.B735E8CC@idirect.com>  
 Date: Fri, 12 Nov 1999 13:49:07 -0500  
 From: Jerry Proc <jproc@idirect.com>  
 MIME-Version: 1.0  
 To: Old Tube Radios <boatanchors@theporch.com>  
 CC: Old Tube Radios <boatanchors@theporch.com>  
 Subject: Re: ANCIENT FAX  
 Content-Type: text/plain; charset=us-ascii  
 Content-Transfer-Encoding: 7bit

"Roberta J. Barmore" wrote:

> But it never quite happened. Fax receivers were expensive, took a lot  
 > more fiddling with than a radio or even a TV set, and The Average Family  
 > needed a fax machine spewing out ads, news factoids and whatever all day  
 > long (or even part of the day) a \*whole\* lot less than they needed a TV  
 > set.

Hi Bobbi,

To add to that, those old FAX machines used chemically impregnated paper. When the "data" was burned unto the paper, it would emit noxious gasses, hence the reason for the exhaust fan hood which was fitted above the machines.

The idea of FAX for home use in that era was actually doomed by the nature of the technology. What family would want an emitter of noxious fumes in their home?

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Regards,  
Jerry Proc VE3FAB    jproc@idirect.com  
Web:            www3.sympatico.ca/hrc/haida  
HMCS HAIDA Historic Naval Ship, Toronto Ontario

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End of BOATANCHORS Digest 2727  
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